

Fig. 1

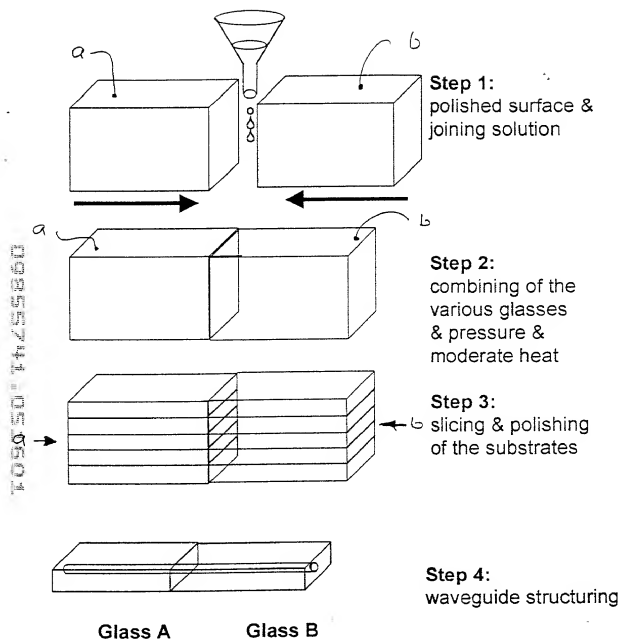


Fig. 2

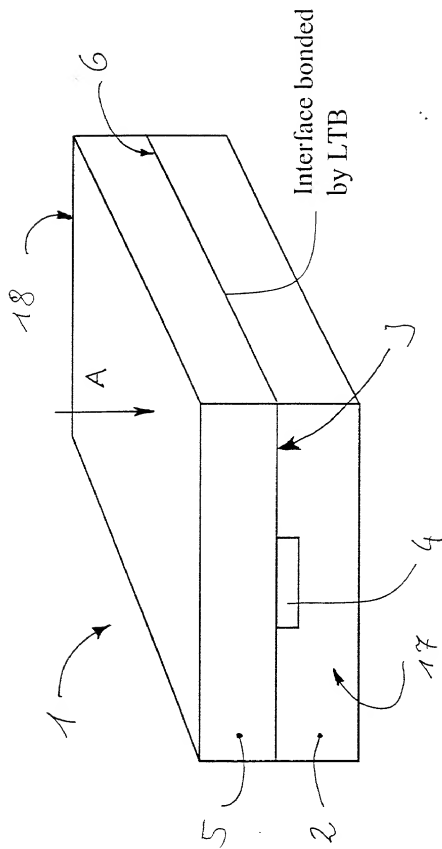
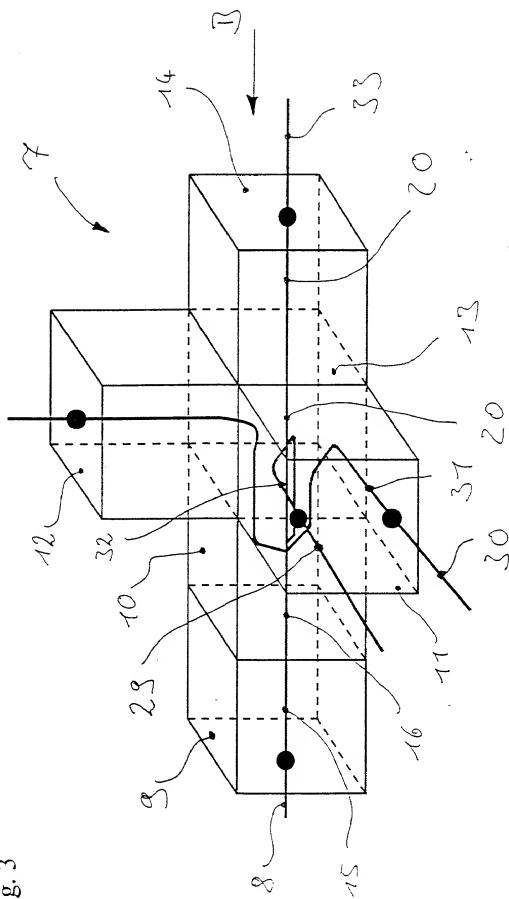


Fig. 3





Laser Diode 980/1480 nm

# Transmitter

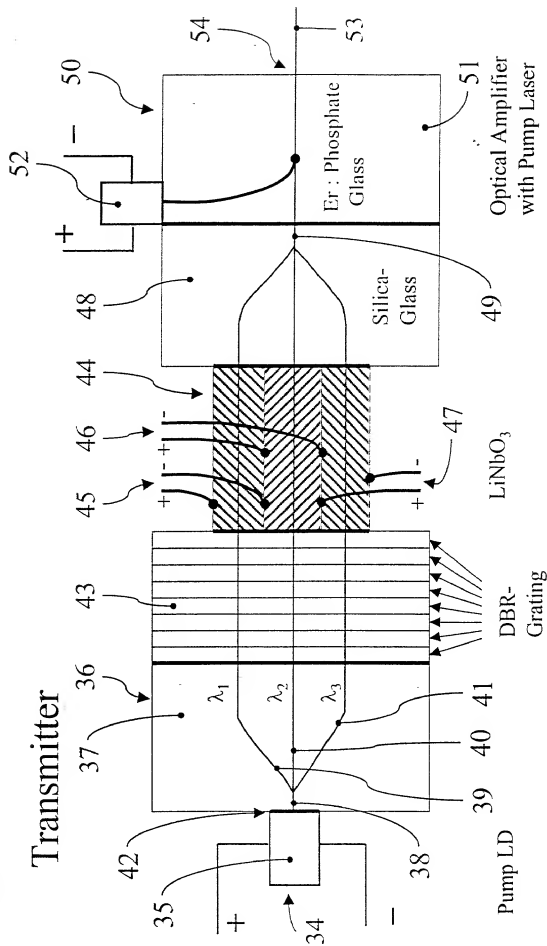


Fig. 6

# Ultra Broadband Amplifier

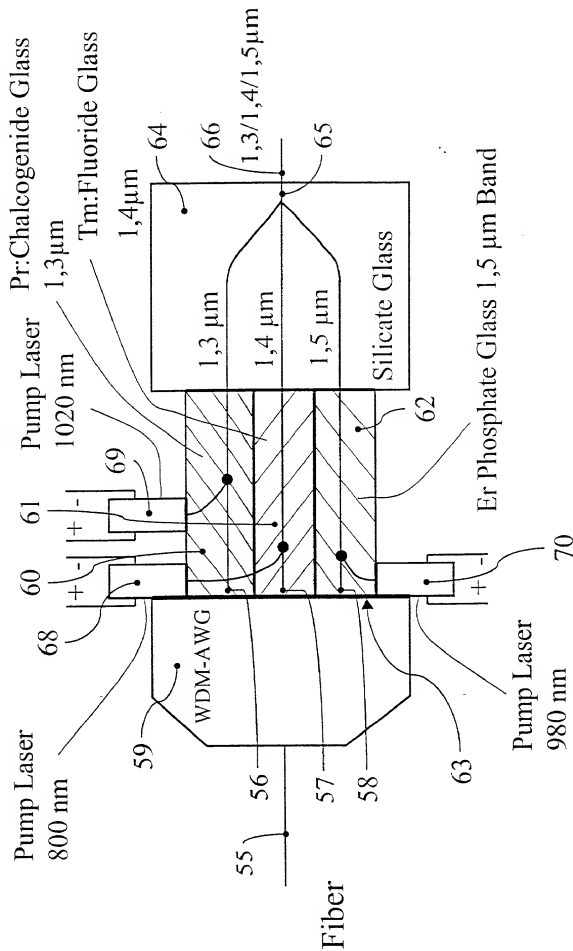


Fig. 7

# Hybride Amplifier

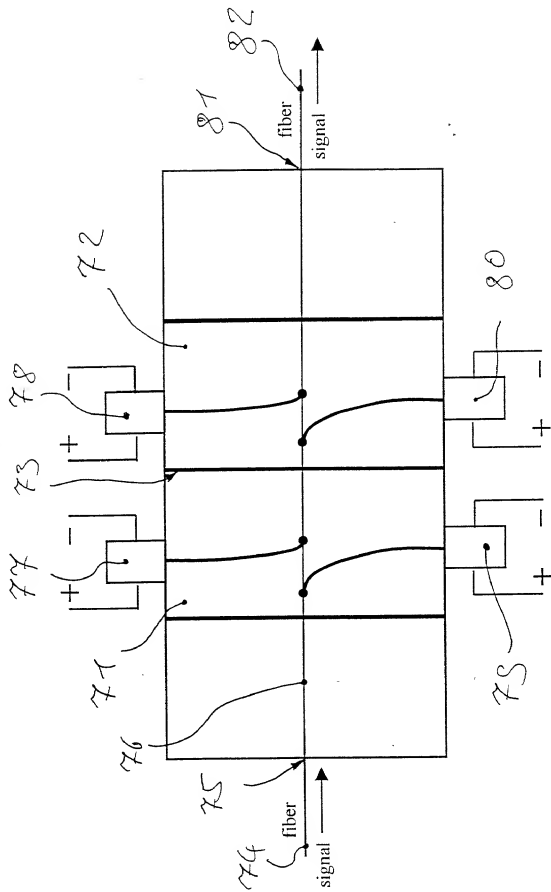


Fig. 8

- (a) Silica Glass ( $\text{SiO}_2$ )
- (b) Hybride Amplifier
- (c) Lead Silicate (Schott F2)

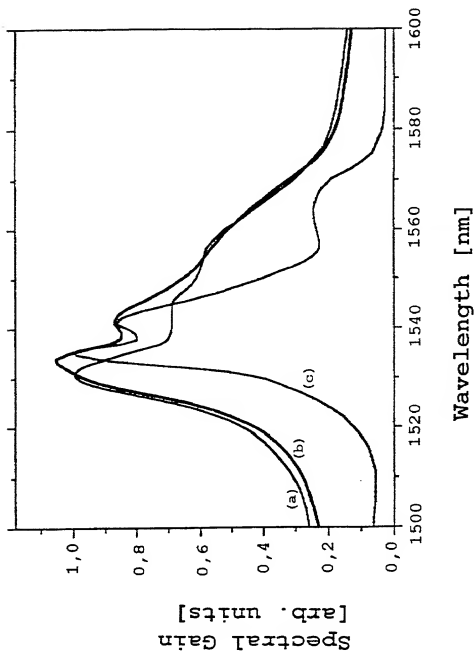




Fig. 9

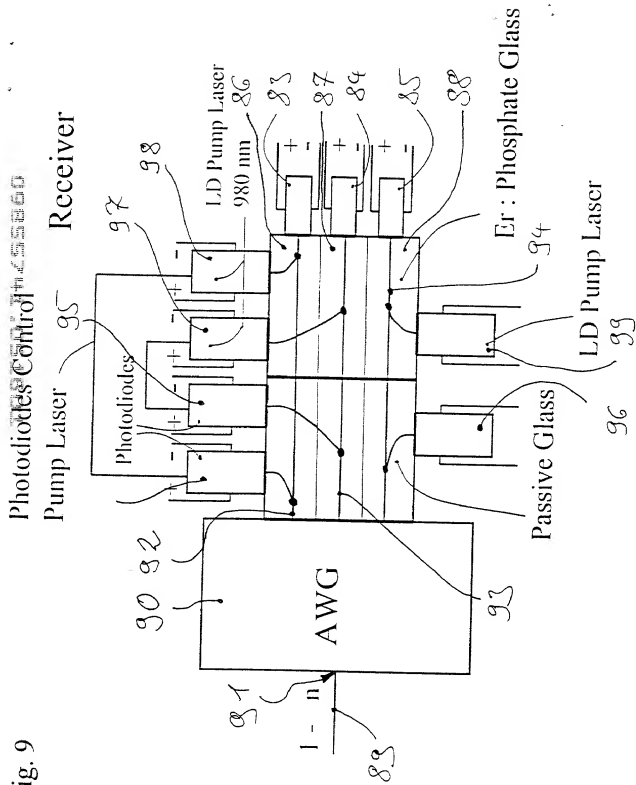


Fig. 10

FIG. 10 is a schematic diagram of a photonic integrated circuit (PIC) architecture, showing various components and their interconnections.

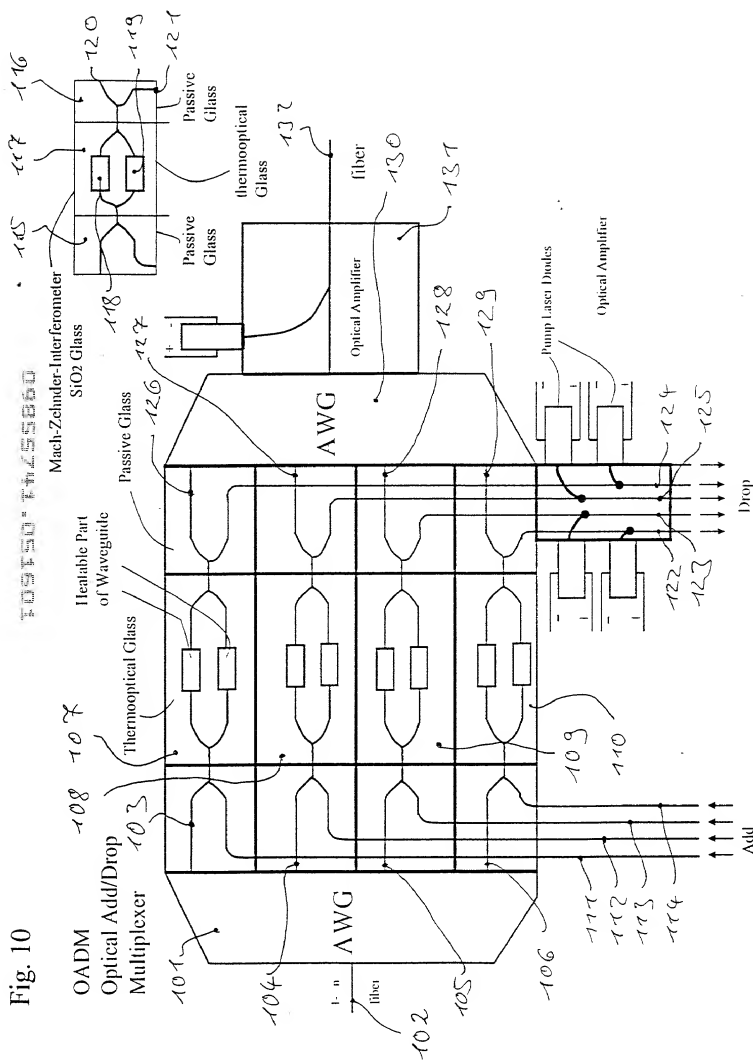




Fig. 12a

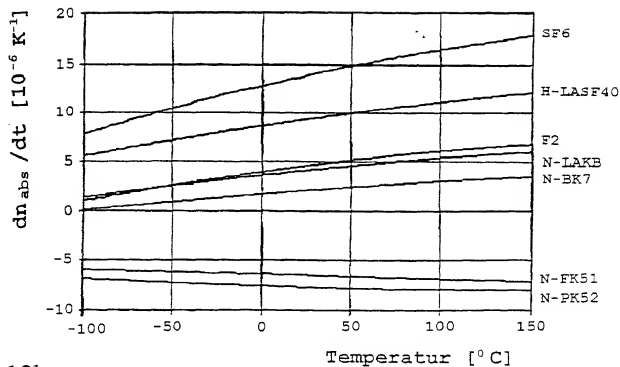


Fig. 12b

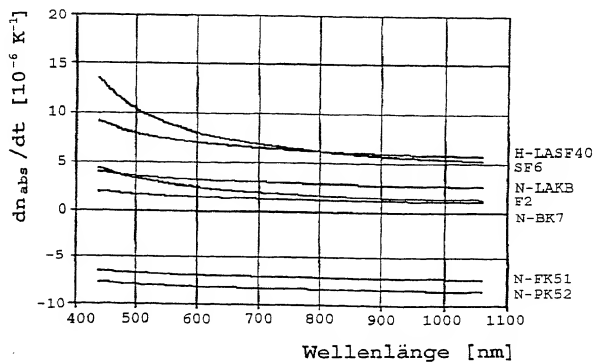


Fig. 13a

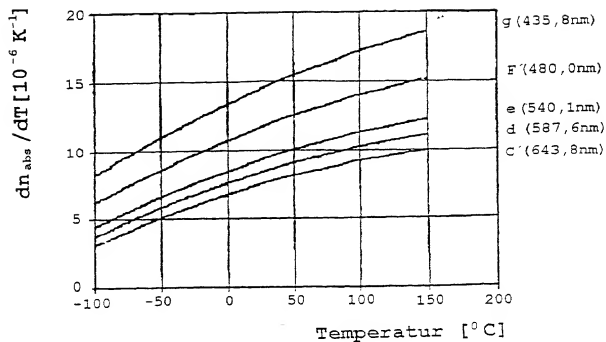


Fig. 13b

